PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P04-57		FOR FURTHER	ACTION	See Form PCT/IPEA/416				
Internatio	onal application No.	International filing of	late (day/month/year)	Priority date (day/month/year)				
PCT/	/JP2004/0130	92 02.09.20	04	10.09.2003				
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Applicant	t			· · · · · · · · · · · · · · · · · · ·				
SAN-	-EI GEN F.F.	I., INC.						
1.				International Preliminary Examining Authority				
2.	This REPORT consists of	of a total of	sheets, including	ng this cover sheet.				
3.	This report is also accom	nt Classification (IPC) or national classification and IPC OO, B01F17/56 GEN F.F.I., INC. Don't is the international preliminary examination report, established by this International Preliminary Examining Authority ritled 35 and transmitted to the applicant according to Article 36. EPORT consists of a total of						
	s X (sout to the g	nulicant and to the International F	uragula total of 1	cheets as follows:				
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	sheets o	containing rectifications authorized		-				
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-		closure in the international applica	tion as filed, as indicated	in item 4 of Box No. I and the Supplemental				
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))								
			as indicated in the Suppli	emental Box Relating to Sequence Listing (see				
4.	4. This report contains indications relating to the following items:							
	Box No. I	Basis of the report						
	Box No. II	Priority						
	Box No. III	Non-establishment of opinion with	h regard to novelty, inven	tive step and industrial applicability				
	Box No. IV	Lack of unity of invention						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;							
	Box No. VI							
	Box No. VIII							
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Date of st	ubmission of the demand		Date of completion of the	ns report				
Name and	d mailing address of the I	PEA/IP	Authorized officer					
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/013092

Box	No. I	Basis of the report					
1.		to the language, this report is based on the internation der this item.	nal application in the language in v	which it was filed, unless otherwise			
	which	eport is based on translations from the original language is the language of a translation furnished for the purpointernational search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4) international preliminary examination (Rule 55.2 and 6.1).	oses of:	•			
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not ann this report): the international application as originally filed/furnished the description: pages 1-28 as originally filed/furnished							
	pages		· · · · · · · · · · · · · · · · · · ·				
	pages						
	the cla		-				
		3–16		as originally filed/furnished			
	nos.	3-10	as amended (together	with any statement) under Article 19			
	nos.*	1					
	nos.*	1		01.08.2005			
	nos.*		received by this Authority on _				
	sheets	awings:fig. 1-6	· · · · · · · · · · · · · · · · · · ·	as originally filed/furnished			
	sheets	*	received by this Authority on				
	sheets	*	received by this Authority on				
	a sequ	nence listing and/or any related table(s) - see Supplement	ental Box Relating to Sequence Li	sting.			
3.	The a	mendments have resulted in the cancellation of:					
		the description, pages					
	\boxtimes	the claims, nos. 2		-			
		the drawings, sheets/figs					
		the sequence listing (specify):					
		•					
4.		report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
		the description, pages					
		the claims, nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
*	If item 4 app	olies, some or all of those sheets may be marked "supe	erseded."	· -			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/013092

	nt under Article 35(2) with regard to novelty, inventive step or industrial applicability; mations supporting such statement	
Statement		
Novelty (N)	Claims 1, 3-16	
	Claims	
Inventive step (IS)		
inventive step (13)	Claims 1, 3-16	
	Claims	
Industrial applicability (IA)	Claims 1, 3-16	
	Claims	_
Citations and explanations (Rule	70.7)	
The follo	wing documents are cited in the	
international s	earch report.	
Document 1: JP	2000-166489 A (The Nisshin Oil Mills,	
	d.), 20 June 2000, entire text	
	11-113486 A (The Nisshin Oil Mills, Ltd.),	
	April 1999, claims and paragraph [0008]	
	58-183701 A (Soda Aromatic Co., Ltd.), 27	
	tober 1983, entire text	
	·	
	8-41104 A (Nakano Vinegar Co., Ltd.), 13	
r'el	oruary 1996, claims	
(1)		
	1 discloses a feature whereby gum arabic	
with a drying 1	oss of 50% by weight or less is heated to	
a temperature o	f 60 to 140°C under low pressure	
conditions in o	rder to obtain modified gum arabic (claims	
and paragraph [0004]), and further indicates that said	
modified gum ar	abic suppresses coloration and exhibits a	
superior emulsi	fication power (paragraph [0004] and the	
examples). Howe	ver, document 1 does not disclose the	
feature wherein	gum arabic is dried until the dry weight	

thereof is 3% or less or the feature wherein gum arabic

International application No.
PCT/JP2004/013092

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

with a dry weight of 3% or less is heated, and cannot be said to suggest the feature wherein gum arabic is dried until the dry weight thereof is 3% or less or the feature wherein gum arabic with a dry weight of 3% or less is heated in the light of the disclosures in the examples and the description, which indicate that the "starting material gum arabic that is used in the production of the modified gum arabic of the present invention has a dry weight of 50% by weight or less...and preferably 15% by weight or less. For example, it is possible for the starting material gum arabic in question to be a commercial gum arabic that has a powdered form, a granulated form or the like" (paragraph [0005]).

Consequently, the inventions that are set forth in claims 1 and 3 to 16 are novel and involve an inventive step in relation to the invention that is disclosed in document 1.

(2)

Documents 2 to 4 do not disclose or suggest the feature wherein gum arabic is dried until the dry weight thereof is 3% or less or the feature wherein gum arabic with a dry weight of 3% or less is heated.

Consequently, the inventions that are set forth in claims 1 and 3 to 16 are novel and involve an inventive step in relation to the inventions that are disclosed in documents 2 to 4.